

ABSTRACT OF THE DISCLOSURE

**METHOD AND APPARATUS FOR TRANSFERRING DATA FROM A
5 MEMORY SUBSYSTEM TO A NETWORK ADAPTER BY EXTENDING DATA
LENGTHS TO IMPROVE THE MEMORY SUBSYSTEM AND PCI BUS
EFFICIENCY**

A method, apparatus, and computer instructions for
10 transferring data from a memory to a network adapter in a
data processing system. The frame size for a transfer of
the data from the memory to the network adapter is
identified. If the frame size is divisible by a cache
line size without a remainder, a valid data length is set
15 equal to the length field. However, if the frame size
divided by the cache line size results in a remainder,
the length field is set to align the data with the cache
line size. The data transfer is then initiated using
these fields.